



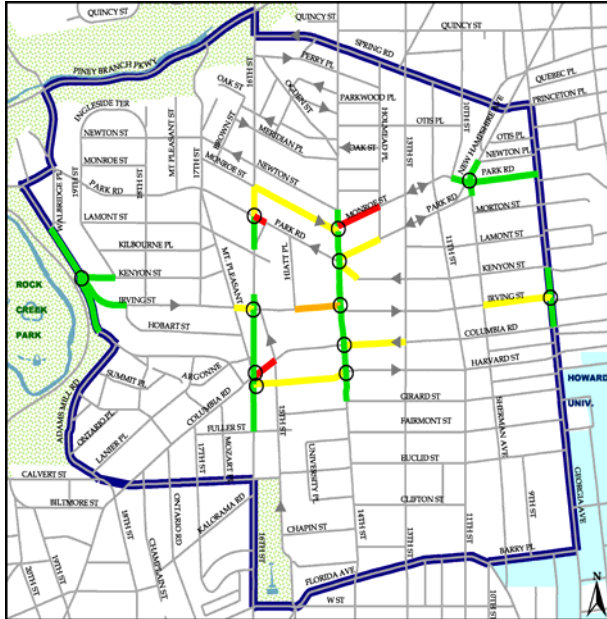
Congestion & Level of Service



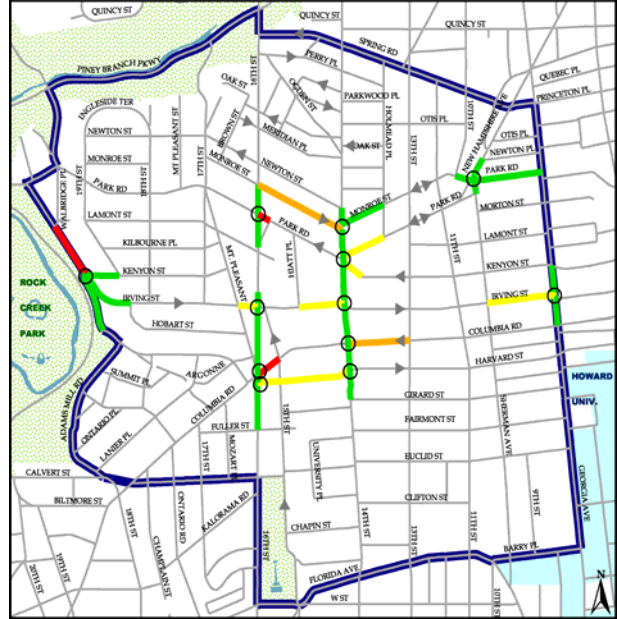
d.

DISTRICT DEPARTMENT OF TRANSPORTATION

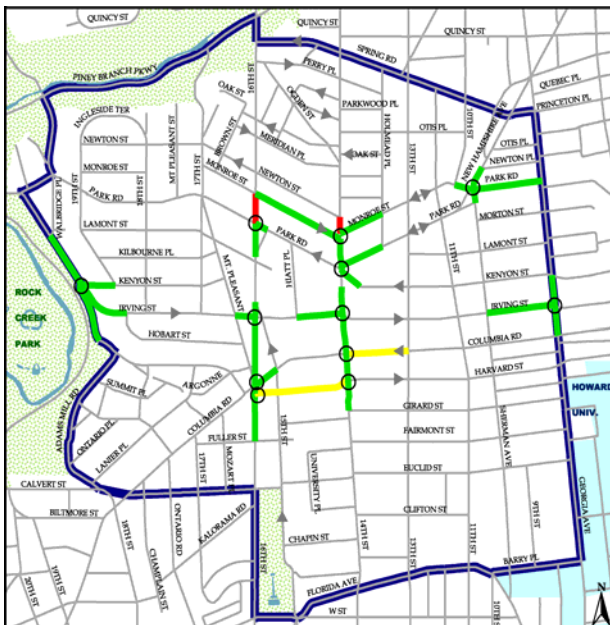
A.M. Peak



P.M. Peak



Weekend Mid-Day



Level of Service



○ Intersection

Level of service (LOS) for signalized intersections is defined in terms of delay. Delay is a measure of driver discomfort, frustration, fuel consumption, and lost travel time. It is also dependent on a number of variables such as the quality of the signal progression, the cycle length, and green time.

Level of Service	Explanation	Delay
A	Little or no delay.	0-10 seconds
B	Good progression and short cycle lengths.	> 10-20 seconds
C	Fair progression, longer cycle lengths.	> 20-35 seconds
D	The influence of congestion becomes noticeable. Some unfavorable progression and long cycle lengths.	> 35-55 seconds
E	Poor progression, long cycle lengths, and cycle failures.	> 55-80 seconds
F	Unacceptable to most drivers, arrival-flow rates exceed the capacity of the intersection.	> 80 seconds